

# 410 Rail Carrier Freight Details and Invoice

Functional Group ID=**IR**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Rail Carrier Freight Details and Invoice Transaction Set (410) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide detailed information of charges associated with a rail movement. The information is provided by a rail carrier and is sent to the freight payer.

## Heading:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
3	010	ST	Transaction Set Header	M	1		
4	020	B3B	Beginning Segment for Carrier's Invoice	M	1		
Not Used	030	C4	Alternate Amount Due	O	1		
6	040	N9	Reference Identification	O	30		
Not Used	045	CM	Cargo Manifest	O	2		
Not Used	047	NTE	Note/Special Instruction	O	2		
LOOP ID - N7						500	
8	050	N7	Equipment Details	M	1		
Not Used	060	VC	Motor Vehicle Control	O	21		
Not Used	070	G4	Scale Identification	O	1		
Not Used	080	M7	Seal Numbers	O	5		
Not Used	090	N5	Equipment Ordered	O	1		
Not Used	100	IC	Intermodal Chassis Equipment	O	1		
Not Used	110	IM	Intermodal Movement Information	O	1		
Not Used	120	M12	In-bond Identifying Information	O	1		
Not Used	125	GA	Canadian Grain Information	O	15		
10	130	N8	Waybill Reference	M	499		
12	140	F9	Origin Station	M	1		
14	150	D9	Destination Station	M	1		
LOOP ID - N1						10	
16	160	N1	Name	O	1		
Not Used	165	N2	Additional Name Information	O	2		
Not Used	170	N3	Address Information	O	2		
Not Used	180	N4	Geographic Location	O	1		
Not Used	185	PER	Administrative Communications Contact	O	2		
Not Used	192	BL	Billing Information	O	12		
LOOP ID - S1						12	
Not Used	370	S1	Stop-off Name	O	1		
Not Used	380	S2	Stop-off Address	O	1		
Not Used	390	S9	Stop-off Station	O	1		

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Not Used	400	R2	Route Information	O	13
Not Used	405	R9	Route Code	O	1
Not Used	420	PS	Protective Service Instructions	O	5
LOOP ID - LX					25
18	430	LX	Assigned Number	M	1
19	440	L5	Description, Marks and Numbers	M	15
LOOP ID - L0					25
20	460	L0	Line Item - Quantity and Weight	M	1
Not Used	465	MEA	Measurements	O	3
22	470	L1	Rate and Charges	M	10
Not Used	475	DTM	Date/Time Reference	O	2
Not Used	480	PI	Price Authority Identification	O	30
LOOP ID - T1					64
Not Used	490	T1	Transit Inbound Origin	O	1
Not Used	500	T2	Transit Inbound Lading	O	30
Not Used	510	T3	Transit Inbound Route	O	12
Not Used	520	T6	Transit Inbound Rates	O	1
Not Used	530	T8	Free-form Transit Data	O	99
24	540	L3	Total Weight and Charges	M	1
Not Used	550	X7	Customs Information	O	2
26	570	SE	Transaction Set Trailer	M	1

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			410 Rail Carrier Freight Details and Invoice	
M	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			<i>A unique number assigned by the originator of the transaction set, or the originator's application. The same number is carried in SE02.</i>	

**Segment:** **B3B** Beginning Segment for Carrier's Invoice  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit identifying numbers, dates, and other basic data relating to the transaction set

**Syntax Notes:**

**Semantic Notes:** 1 B3B03 is the billing date.  
 2 B3B05 is the payment due date.  
 3 B3B11 defines the currency used in the transaction.  
**Comments:** 1 The B3B09 default value is pounds.

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	B3B01	76	<b>Invoice Number</b> Identifying number assigned by issuer <i>Transportation service provider's unique invoice number.</i>	M AN 1/22
M	B3B02	146	<b>Shipment Method of Payment</b> Code identifying payment terms for transportation charges CC Collect PP Prepaid (by Seller)	M ID 2/2
M	B3B03	373	<b>Date</b> Date expressed as CCYYMMDD <i>Date the invoice is issued. Use date format CCYYMMDD.</i>	M DT 8/8
M	B3B04	193	<b>Net Amount Due</b> Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified <i>Total transportation charges including line haul, accessorial, miscellaneous, and fuel charges. Implied decimal at second position from right.</i>	M N2 1/12
Not Used	B3B05	373	<b>Date</b> Date expressed as CCYYMMDD	O DT 8/8
M	B3B06	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code <i>Use the SCAC of the carrier that issues the invoice.</i>	M ID 2/4
M	B3B07	91	<b>Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment R Rail	M ID 1/2
	B3B08	145	<b>Shipment Identification Number</b>	O AN 1/30

Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)

*U.S. Government unique number representing a contract for transportation services. The number is made up of one alpha character followed by seven numbers. Do not use any punctuation or special characters. This element must be used.*

Not Used	<b>B3B09</b>	<b>188</b>	<b>Weight Unit Code</b>	<b>O ID 1/1</b>
			Code specifying the weight unit	
	<b>B3B10</b>	<b>202</b>	<b>Correction Indicator</b>	<b>O ID 2/2</b>
			Code used to indicate that the transaction set contains information which corrects previous information	
			<i>If the invoice is submitted for the first time (original invoice), this data field is not used.</i>	
			AD	Adjustment of Previous Freight Bill Charges
			CA	Cancelled Bill
	<b>B3B11</b>	<b>100</b>	<b>Currency Code</b>	<b>O ID 3/3</b>
			Code (Standard ISO) for country in whose currency the charges are specified	
			<i>Currency must be in US Dollars.</i>	

**Segment:** **N9** **Reference Identification**  
**Position:** 040  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 30  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

**Syntax Notes:** 1 At least one of N902 or N903 is required.  
 2 If N906 is present, then N905 is required.

**Semantic Notes:** 1 N906 reflects the time zone which the time reflects.  
 2 N907 contains data relating to the value cited in N902.

**Comments:**

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	N901	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		AD	Acceptable Source DUNS Number
		CN	Carrier's Reference Number (PRO/Invoice)
		DO	Delivery Order Number
		P8	Pickup Reference Number
		PQ	Payee Identification
		<i>Identification assigned by DoD payment center. This element must be used.</i>	
		W7	Commercial and Government Entity (CAGE) Code
		Code that identifies a commercial contractor authorized to do business with the U.S. Government	
	N902	127 Reference Identification	O AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		<i>1. Payee code must be provided.</i>	
		<i>2. If this is a Carrier invoice number, use "CN" in N901. Otherwise select a different appropriate qualifier for N901 from this list above.</i>	
	N903	369 Free-form Description	O AN 1/45
		Free-form descriptive text	
		<i>1. When N901 is 'P8', fill this data element with 'PICKUP DATE' to describe the date/time in N904/N905.</i>	
		<i>2. When N901 is 'PQ', fill this data element with 'DELIVERY DATE' to describe the date/time in N904/N905.</i>	
		<i>3. When N901 is 'PQ', this field must contain the Zip code of location that payee authorizes payment to be sent. Must match payee</i>	

			<i>information on file at payment center.</i>	
	<b>N904</b>	<b>373</b>	<b>Date</b>	<b>O DT 8/8</b>
			Date expressed as CCYYMMDD	
			<i>1. When N901 is 'P8', enter the date carrier picked up shipment. Not required for submission of supplemental invoices. Use date format CCYYMMDD.</i>	
			<i>2. When N901 is 'DO', enter the date shipment is delivered to consignee. Not required for submission of supplemental invoices. Use date format CCYYMMDD.</i>	
	<b>N905</b>	<b>337</b>	<b>Time</b>	<b>O TM 4/8</b>
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
			<i>When N901 is 'P8' enter the time carrier picked up shipment. Use format HHMM.</i>	
<b>Not Used</b>	<b>N906</b>	<b>623</b>	<b>Time Code</b>	<b>O ID 2/2</b>
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
<b>Not Used</b>	<b>N907</b>	<b>C040</b>	<b>Reference Identifier</b>	<b>O</b>
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
<b>Not Used</b>	<b>C04001</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			Code qualifying the Reference Identification	
<b>Not Used</b>	<b>C04002</b>	<b>127</b>	<b>Reference Identification</b>	<b>M AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
<b>Not Used</b>	<b>C04003</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>O ID 2/3</b>
			Code qualifying the Reference Identification	
<b>Not Used</b>	<b>C04004</b>	<b>127</b>	<b>Reference Identification</b>	<b>O AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
<b>Not Used</b>	<b>C04005</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>O ID 2/3</b>
			Code qualifying the Reference Identification	
<b>Not Used</b>	<b>C04006</b>	<b>127</b>	<b>Reference Identification</b>	<b>O AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

<b>Segment:</b>	<b>N7 Equipment Details</b>
<b>Position:</b>	050
<b>Loop:</b>	N7 Mandatory
<b>Level:</b>	Heading
<b>Usage:</b>	Mandatory
<b>Max Use:</b>	1
<b>Purpose:</b>	To identify the equipment
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either N703 or N704 is present, then the other is required.</li> <li>2 If either N705 or N716 is present, then the other is required.</li> <li>3 If either N708 or N709 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 N712 is the owner of the equipment.</li> <li>2 N723 is the operator or carrier of the rights of the equipment.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 N701 is mandatory for rail transactions.</li> <li>2 N720 and N721 are expressed in inches.</li> </ol>

## Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	N701	206	<b>Equipment Initial</b>		O AN 1/4
				Prefix or alphabetic part of an equipment unit's identifying number	
M	N702	207	<b>Equipment Number</b>		M AN 1/10
				Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
				<i>Mandatory X12 syntax field not required by DoD. Enter zero.</i>	
Not Used	N703	81	<b>Weight</b>		C R 1/10
				Numeric value of weight	
Not Used	N704	187	<b>Weight Qualifier</b>		C ID 1/2
				Code defining the type of weight	
Not Used	N705	167	<b>Tare Weight</b>		C N0 3/8
				Weight of the equipment	
Not Used	N706	232	<b>Weight Allowance</b>		O N0 2/6
				Allowance made for increased weight due to such factors as snow	
Not Used	N707	205	<b>Dunnage</b>		O N0 1/6
				Weight of material used to protect lading (even bracings, false floors, etc.)	
Not Used	N708	183	<b>Volume</b>		C R 1/8
				Value of volumetric measure	
Not Used	N709	184	<b>Volume Unit Qualifier</b>		C ID 1/1
				Code identifying the volume unit	
Not Used	N710	102	<b>Ownership Code</b>		O ID 1/1
				Code indicating the relationship of equipment to carrier or ownership of equipment	
Not Used	N711	40	<b>Equipment Description Code</b>		O ID 2/2



			Code identifying type of equipment used for shipment	
Not Used	N712	140	<b>Standard Carrier Alpha Code</b>	O ID 2/4
			Standard Carrier Alpha Code	
Not Used	N713	319	<b>Temperature Control</b>	O AN 3/6
			Free-form abbreviation of temperature range or flash-point temperature	
Not Used	N714	219	<b>Position</b>	O AN 1/3
			Relative position of shipment in car, trailer, or container (mutually defined)	
Not Used	N715	567	<b>Equipment Length</b>	O N0 4/5
			Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	
Not Used	N716	571	<b>Tare Qualifier Code</b>	C ID 1/1
			Code identifying the type of tare	
Not Used	N717	188	<b>Weight Unit Code</b>	O ID 1/1
			Code specifying the weight unit	
Not Used	N718	761	<b>Equipment Number Check Digit</b>	O N0 1/1
			Number which designates the check digit applied to a piece of equipment	
Not Used	N719	56	<b>Type of Service Code</b>	O ID 2/2
			Code specifying extent of transportation service requested	
Not Used	N720	65	<b>Height</b>	O R 1/8
			Vertical dimension of an object measured when the object is in the upright position	
Not Used	N721	189	<b>Width</b>	O R 1/8
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
Not Used	N722	24	<b>Equipment Type</b>	O ID 4/4
			Code identifying equipment type	
Not Used	N723	140	<b>Standard Carrier Alpha Code</b>	O ID 2/4
			Standard Carrier Alpha Code	
Not Used	N724	301	<b>Car Type Code</b>	O ID 1/4
			Code specifying type of rail car or intermodal equipment type and its general characteristics	

<b>Segment:</b>	<b>N8</b>	<b>Waybill Reference</b>
<b>Position:</b>	130	
<b>Loop:</b>		
<b>Level:</b>	Heading	
<b>Usage:</b>	Mandatory	
<b>Max Use:</b>	499	
<b>Purpose:</b>	To identify the waybill and to specify the equipment used and the destination details	
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If any of N803 N804 or N805 is present, then all are required.</li> <li>2 If either N806 or N807 is present, then the other is required.</li> <li>3 If either N808 or N809 is present, then the other is required.</li> <li>4 If either N810 or N811 is present, then the other is required.</li> </ol>	
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 N802 is the waybill date.</li> <li>2 N808 is the destination station of movement.</li> <li>3 N810 will contain destination railroad initial Standard Carrier Alpha Code (SCAC).</li> <li>4 N811 will contain railroad destination Freight Station Accounting Code (FSAC).</li> </ol>	
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 Waybill type should be transmitted only when the transaction set involves a multiple Car/TOFC/COFC shipment or a conveying flat car. Waybill type should not be sent on a single Car/TOFC/COFC.</li> <li>2 N807 is the waybill date.</li> </ol>	

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N801	186	Waybill Number	M N0 1/6
			Carrier accounting number of the waybill for the inbound movement	
			<i>Mandatory X12 syntax field not required by DoD. Enter zero.</i>	
M	N802	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
			<i>Mandatory X12 syntax field not required by DoD. Enter today's date in format CCYYMMDD.</i>	
Not Used	N803	231	Cross Reference Type Code	C ID 1/1
			Code defining relationship of equipment to equipment cross-referenced	
Not Used	N804	206	Equipment Initial	C AN 1/4
			Prefix or alphabetic part of an equipment unit's identifying number	
Not Used	N805	207	Equipment Number	C AN 1/10
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
Not Used	N806	186	Waybill Number	C N0 1/6
			Carrier accounting number of the waybill for the inbound movement	
Not Used	N807	373	Date	C DT 8/8
			Date expressed as CCYYMMDD	
Not Used	N808	19	City Name	C AN 2/30

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			Free-form text for city name	
<b>Not Used</b>	<b>N809</b>	<b>156</b>	<b>State or Province Code</b>	<b>C ID 2/2</b>
			Code (Standard State/Province) as defined by appropriate government agency	
<b>Not Used</b>	<b>N810</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b>	<b>C ID 2/4</b>
			Standard Carrier Alpha Code	
<b>Not Used</b>	<b>N811</b>	<b>573</b>	<b>Freight Station Accounting Code</b>	<b>C ID 1/5</b>
			Code (Freight Station Accounting) (AAR Managed Code for Locations)	

<b>Segment:</b>	<b>F9</b>	<b>Origin Station</b>
<b>Position:</b>	140	
<b>Loop:</b>		
<b>Level:</b>	Heading	
<b>Usage:</b>	Mandatory	
<b>Max Use:</b>	1	
<b>Purpose:</b>	To identify the rail origin of the shipment	
<b>Syntax Notes:</b>		
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 F902 is the origin station for movement.</li> <li>2 F904 is the country code for the city named in the F902.</li> <li>3 F905 is the freight station accounting code of the origin junction settlement carrier.</li> <li>4 F908 is the Standard Point Location Code (SPLC) for the city named in the F902.</li> <li>5 F909 is the postal code for the city named in the F902.</li> <li>6 F910 is the Standard Point Location Code (SPLC) for the city named in the F906.</li> <li>7 F911 is the postal code for the city named in the F906.</li> <li>8 F912 is the country code for the city named in the F906.</li> </ol>	
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 F905 is the freight station accounting code of the city named in F906.</li> </ol>	

## Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	F901	573		<b>Freight Station Accounting Code</b>	<b>O ID 1/5</b>
				Code (Freight Station Accounting) (AAR Managed Code for Locations)	
M	F902	19		<b>City Name</b>	<b>M AN 2/30</b>
				Free-form text for city name	
				<i><b>Mandatory X12 syntax field not required by DoD. Enter 'XX'.</b></i>	
M	F903	156		<b>State or Province Code</b>	<b>M ID 2/2</b>
				Code (Standard State/Province) as defined by appropriate government agency	
				<i><b>Mandatory X12 syntax field not required by DoD. Enter 'XX'.</b></i>	
Not Used	F904	26		<b>Country Code</b>	<b>O ID 2/3</b>
				Code identifying the country	
Not Used	F905	573		<b>Freight Station Accounting Code</b>	<b>O ID 1/5</b>
				Code (Freight Station Accounting) (AAR Managed Code for Locations)	
Not Used	F906	19		<b>City Name</b>	<b>O AN 2/30</b>
				Free-form text for city name	
Not Used	F907	156		<b>State or Province Code</b>	<b>O ID 2/2</b>
				Code (Standard State/Province) as defined by appropriate government agency	
Not Used	F908	154		<b>Standard Point Location Code</b>	<b>O ID 6/9</b>

			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	
<b>Not Used</b>	<b>F909</b>	<b>116</b>	<b>Postal Code</b>	<b>O ID 3/15</b>
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
<b>Not Used</b>	<b>F910</b>	<b>154</b>	<b>Standard Point Location Code</b>	<b>O ID 6/9</b>
			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	
<b>Not Used</b>	<b>F911</b>	<b>116</b>	<b>Postal Code</b>	<b>O ID 3/15</b>
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
<b>Not Used</b>	<b>F912</b>	<b>26</b>	<b>Country Code</b>	<b>O ID 2/3</b>
			Code identifying the country	

<b>Segment:</b>	<b>D9</b>	<b>Destination Station</b>
<b>Position:</b>	150	
<b>Loop:</b>		
<b>Level:</b>	Heading	
<b>Usage:</b>	Mandatory	
<b>Max Use:</b>	1	
<b>Purpose:</b>	To identify the rail destination of the shipment	
<b>Syntax Notes:</b>		
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 D902 is the destination station of movement.</li> <li>2 D904 is the country code for the city named in the D902.</li> <li>3 D905 is the freight station accounting code of the destination junction settlement carrier.</li> <li>4 D908 is the Standard Point Location Code (SPLC) for the city named in the D902.</li> <li>5 D909 is the postal code for the city names in the D902.</li> <li>6 D910 is the Standard Point Location Code (SPLC) for the city named in the D906.</li> <li>7 D911 is the postal code for the city named in the D906.</li> <li>8 D912 is the country code for the city named in the D906.</li> </ol>	
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 D905 is the freight station accounting code of the city name in D906.</li> </ol>	

## Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	D901	573		<b>Freight Station Accounting Code</b>	<b>O ID 1/5</b>
				Code (Freight Station Accounting) (AAR Managed Code for Locations)	
M	D902	19		<b>City Name</b>	<b>M AN 2/30</b>
				Free-form text for city name	
				<i><b>Mandatory X12 syntax field not required by DoD. Enter 'XX'.</b></i>	
M	D903	156		<b>State or Province Code</b>	<b>M ID 2/2</b>
				Code (Standard State/Province) as defined by appropriate government agency	
				<i><b>Mandatory X12 syntax field not required by DoD. Enter 'XX'.</b></i>	
Not Used	D904	26		<b>Country Code</b>	<b>O ID 2/3</b>
				Code identifying the country	
Not Used	D905	573		<b>Freight Station Accounting Code</b>	<b>O ID 1/5</b>
				Code (Freight Station Accounting) (AAR Managed Code for Locations)	
Not Used	D906	19		<b>City Name</b>	<b>O AN 2/30</b>
				Free-form text for city name	
Not Used	D907	156		<b>State or Province Code</b>	<b>O ID 2/2</b>
				Code (Standard State/Province) as defined by appropriate government agency	
Not Used	D908	154		<b>Standard Point Location Code</b>	<b>O ID 6/9</b>

			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	
<b>Not Used</b>	<b>D909</b>	<b>116</b>	<b>Postal Code</b>	<b>O ID 3/15</b>
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
<b>Not Used</b>	<b>D910</b>	<b>154</b>	<b>Standard Point Location Code</b>	<b>O ID 6/9</b>
			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	
<b>Not Used</b>	<b>D911</b>	<b>116</b>	<b>Postal Code</b>	<b>O ID 3/15</b>
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
<b>Not Used</b>	<b>D912</b>	<b>26</b>	<b>Country Code</b>	<b>O ID 2/3</b>
			Code identifying the country	

**Segment:** **N1** Name  
**Position:** 160  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
2 N105 and N106 further define the type of entity in N101.

## Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
		BT	Bill-to-Party	
		DC	Destination Carrier	
		IU	Issuer	
		OC	Origin Carrier	
		T4	Transfer Point	
			A geographic location where a shipment is transferred or diverted to a new destination	
Not Used	N102	93	Name	C AN 1/60
			Free-form name	
	N103	66	Identification Code Qualifier	O ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		2	Standard Carrier Alpha Code (SCAC)	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		20	Standard Point Location Code (SPLC)	
		27	Government Bill Of Lading Office Code (GBLOC)	
	N104	67	Identification Code	O AN 2/80
			Code identifying a party or other code	
			<i>1. To indicate the Issuing Office GBLOC, enter the qualifier 'IU' in N101, '27' in N103 and the Code of Government office that issues GBL in this field.</i>	



*2. To indicate the Tendered To Carrier SCAC, enter the qualifier 'OC' in N101, '2' in N103 and the SCAC of tendered to transportation carrier in this field.*

*3. To indicate the Destination Transportation Company SCAC, enter the qualifier 'DC' in N101, '2' in N103 and the SCAC of transportation carrier making the delivery in this field.*

*4. To indicate the Diversion/Reconsignment From SPLC enter the qualifier 'T4' in N101, '20' in N103 and the SPLC of location where diversion occurs in this field.*

*5. To indicate the DUNS or DUNS + 4, enter qualifier 'BT' in N101, '1' in N103 to indicate the nine digit D-U-N-S Number or '9' in N103 to indicate the thirteen digit D-U-N-S number in this field.*

*6. To indicate the Commercial and Government Entity (CAGE) Code, enter 'BT' in N101 and the six digit CAGE code in this field.*

Not Used	N105	706	<b>Entity Relationship Code</b>	<b>O ID 2/2</b>
			Code describing entity relationship	
Not Used	N106	98	<b>Entity Identifier Code</b>	<b>O ID 2/3</b>
			Code identifying an organizational entity, a physical location, property or an individual	

**Segment:** **LX** Assigned Number  
**Position:** 430  
**Loop:** LX Mandatory  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To reference a line number in a transaction set  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LX01	554	Assigned Number	M N0 1/6
Number assigned for differentiation within a transaction set				
<i>Assign a sequential number less than 1000 for each charge type including line haul, accessorial, miscellaneous, and authorized surcharges. Use one LX loop for each charge expressed in L108 (service charge code).</i>				

**Segment:** **L5** Description, Marks and Numbers  
**Position:** 440  
**Loop:** LX Mandatory  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 15  
**Purpose:** To specify the line item in terms of description, quantity, packaging, and marks and numbers

**Syntax Notes:**

- 1 If either L503 or L504 is present, then the other is required.
- 2 If L507 is present, then L506 is required.
- 3 If either L508 or L509 is present, then the other is required.

**Semantic Notes:**

**Comments:** 1 L502 may be used to send quantity information as part of the product description.

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
L501	213	Lading Line Item Number	O	N0 1/3
		Sequential line number for a lading item		
		<i>Mandatory ANSI syntax field not required by DoD. Enter zero.</i>		
Not Used	L502	79 Lading Description	O	AN 1/50
		Description of an item as required for rating and billing purposes		
Not Used	L503	22 Commodity Code	C	AN 1/30
		Code describing a commodity or group of commodities		
Not Used	L504	23 Commodity Code Qualifier	C	ID 1/1
		Code identifying the commodity coding system used for Commodity Code		
Not Used	L505	103 Packaging Code	O	AN 3/5
		Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required		
Not Used	L506	87 Marks and Numbers	C	AN 1/48
		Marks and numbers used to identify a shipment or parts of a shipment		
Not Used	L507	88 Marks and Numbers Qualifier	O	ID 1/2
		Code specifying the application or source of Marks and Numbers (87)		
Not Used	L508	23 Commodity Code Qualifier	C	ID 1/1
		Code identifying the commodity coding system used for Commodity Code		
Not Used	L509	22 Commodity Code	C	AN 1/30
		Code describing a commodity or group of commodities		
Not Used	L510	595 Compartment ID Code	O	ID 1/1
		Code identifying the compartment in a compartmentalized tank car		

<b>Segment:</b>	<b>L0</b>	<b>Line Item - Quantity and Weight</b>
<b>Position:</b>	460	
<b>Loop:</b>	L0	Mandatory
<b>Level:</b>	Heading	
<b>Usage:</b>	Mandatory	
<b>Max Use:</b>	1	
<b>Purpose:</b>	To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data	
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either L002 or L003 is present, then the other is required.</li> <li>2 If either L004 or L005 is present, then the other is required.</li> <li>3 If either L006 or L007 is present, then the other is required.</li> <li>4 If either L008 or L009 is present, then the other is required.</li> <li>5 If L011 is present, then L004 is required.</li> <li>6 If either L013 or L015 is present, then the other is required.</li> </ol>	
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 L008 is the number of handling units of the line item tendered to the carrier.</li> <li>2 L013 can only be used if the code in L009 is PLT, SKD, or SLP.</li> <li>3 L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.</li> </ol>	
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.</li> </ol>	

## Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
L001		213	Lading Line Item Number	O N0 1/3
			Sequential line number for a lading item	
			<i>Mandatory ANSI syntax field not required by DoD. Enter zero.</i>	
Not Used	L002	220	Billed/Rated-as Quantity	C R 1/11
			Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	
Not Used	L003	221	Billed/Rated-as Qualifier	C ID 2/2
			Code identifying the type of quantity or value on which the rate or item pricing is based	
Not Used	L004	81	Weight	C R 1/10
			Numeric value of weight	
Not Used	L005	187	Weight Qualifier	C ID 1/2
			Code defining the type of weight	
Not Used	L006	183	Volume	C R 1/8
			Value of volumetric measure	
Not Used	L007	184	Volume Unit Qualifier	C ID 1/1
			Code identifying the volume unit	

<b>Not Used</b>	<b>L008</b>	<b>80</b>	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	<b>C</b>	<b>N0 1/7</b>
<b>Not Used</b>	<b>L009</b>	<b>211</b>	<b>Packaging Form Code</b> Code for packaging form of the lading quantity	<b>C</b>	<b>ID 3/3</b>
<b>Not Used</b>	<b>L010</b>	<b>458</b>	<b>Dunnage Description</b> Material used to protect lading	<b>O</b>	<b>AN 2/25</b>
<b>Not Used</b>	<b>L011</b>	<b>188</b>	<b>Weight Unit Code</b> Code specifying the weight unit	<b>O</b>	<b>ID 1/1</b>
<b>Not Used</b>	<b>L012</b>	<b>56</b>	<b>Type of Service Code</b> Code specifying extent of transportation service requested	<b>O</b>	<b>ID 2/2</b>
<b>Not Used</b>	<b>L013</b>	<b>380</b>	<b>Quantity</b> Numeric value of quantity	<b>C</b>	<b>R 1/15</b>
<b>Not Used</b>	<b>L014</b>	<b>211</b>	<b>Packaging Form Code</b> Code for packaging form of the lading quantity	<b>O</b>	<b>ID 3/3</b>
<b>Not Used</b>	<b>L015</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b> Code indicating a Yes or No condition or response	<b>C</b>	<b>ID 1/1</b>

**Segment:** **L1 Rate and Charges**

**Position:** 470

**Loop:** L0 Mandatory

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 10

**Purpose:** To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

**Syntax Notes:**

- 1 If either L102 or L103 is present, then the other is required.
- 2 At least one of L104 L105 or L106 is required.
- 3 If either L114 or L115 is present, then the other is required.
- 4 If either L117 or L118 is present, then the other is required.

**Semantic Notes:**

- 1 L119 is the percent used to determine the charge in L104.
- 2 L120, if used, indicates the currency for all monetary amounts in this L1 segment.
- 3 L121 is the origin rated as charge amount.

**Comments:**

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	L101	213	<b>Lading Line Item Number</b> Sequential line number for a lading item	O N0 1/3
Not Used	L102	60	<b>Freight Rate</b> Rate that applies to the specific commodity	C R 1/9
Not Used	L103	122	<b>Rate/Value Qualifier</b> Code qualifying how to extend charges or interpret value	C ID 2/2
	L104	58	<b>Charge</b> For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified <i>Charge for each service identified in L108 and L112. Implied decimal at second position from right.</i>	O N2 1/12
Not Used	L105	191	<b>Advances</b> Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	C N2 1/9
Not Used	L106	117	<b>Prepaid Amount</b> Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	C N2 1/9
Not Used	L107	120	<b>Rate Combination Point Code</b> The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation	O AN 3/9

			of transportation charges	
	<b>L108</b>	<b>150</b>	<b>Special Charge or Allowance Code</b>	<b>O ID 3/3</b>
			Code identifying type of special charge or allowance	
			<i>Services regulated by the Military Traffic Management Command (MTMC). See Billing Instructions available from DoD Payment Center for information and application of codes.</i>	
<b>Not Used</b>	<b>L109</b>	<b>121</b>	<b>Rate Class Code</b>	<b>O ID 1/3</b>
			Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k	
<b>Not Used</b>	<b>L110</b>	<b>39</b>	<b>Entitlement Code</b>	<b>O ID 1/1</b>
			Code identifying entitlement party	
<b>Not Used</b>	<b>L111</b>	<b>16</b>	<b>Charge Method of Payment</b>	<b>O ID 1/1</b>
			Code defining method of payment	
	<b>L112</b>	<b>276</b>	<b>Special Charge Description</b>	<b>O AN 2/25</b>
			Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150	
			<i>Use free form description of any third party or miscellaneous service code identified in L108. See Billing Instructions available from DoD Payment Center for more information.</i>	
<b>Not Used</b>	<b>L113</b>	<b>257</b>	<b>Tariff Application Code</b>	<b>O ID 1/1</b>
			Code indicating to which traffic a tariff applies	
<b>Not Used</b>	<b>L114</b>	<b>74</b>	<b>Declared Value</b>	<b>C N2 2/12</b>
			Monetary assigned value expressed in the standard monetary denomination for the currency specified	
<b>Not Used</b>	<b>L115</b>	<b>122</b>	<b>Rate/Value Qualifier</b>	<b>C ID 2/2</b>
			Code qualifying how to extend charges or interpret value	
<b>Not Used</b>	<b>L116</b>	<b>372</b>	<b>Lading Liability Code</b>	<b>O ID 1/1</b>
			Code identifying limits of liability	
<b>Not Used</b>	<b>L117</b>	<b>220</b>	<b>Billed/Rated-as Quantity</b>	<b>C R 1/11</b>
			Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	
<b>Not Used</b>	<b>L118</b>	<b>221</b>	<b>Billed/Rated-as Qualifier</b>	<b>C ID 2/2</b>
			Code identifying the type of quantity or value on which the rate or item pricing is based	
<b>Not Used</b>	<b>L119</b>	<b>954</b>	<b>Percent</b>	<b>O R 1/10</b>
			Percentage expressed as a decimal	
<b>Not Used</b>	<b>L120</b>	<b>100</b>	<b>Currency Code</b>	<b>O ID 3/3</b>
			Code (Standard ISO) for country in whose currency the charges are specified	
<b>Not Used</b>	<b>L121</b>	<b>610</b>	<b>Amount</b>	<b>O N2 1/15</b>
			Monetary amount	

**Segment:** **L3** Total Weight and Charges  
**Position:** 540  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items  
**Syntax Notes:**

- 1 If either L301 or L302 is present, then the other is required.
- 2 If either L303 or L304 is present, then the other is required.
- 3 If either L309 or L310 is present, then the other is required.
- 4 If L312 is present, then L301 is required.
- 5 If either L314 or L315 is present, then the other is required.

**Semantic Notes:**

- 1 L305 is the total charges.

**Comments:**

## Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
L301	81	Weight	O	R 1/10
		Numeric value of weight		
		<i>Total billed weight in pounds rounded to whole number. If not applicable to invoice, enter zero.</i>		
L302	187	Weight Qualifier	O	ID 1/2
		Code defining the type of weight		
		<i>Mandatory X12 syntax field not required by DoD.</i>		
		Z	Mutually Defined	
Not Used	L303	60 Freight Rate	C	R 1/9
		Rate that applies to the specific commodity		
Not Used	L304	122 Rate/Value Qualifier	C	ID 2/2
		Code qualifying how to extend charges or interpret value		
Not Used	L305	58 Charge	O	N2 1/12
		For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified		
Not Used	L306	191 Advances	O	N2 1/9
		Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified		
Not Used	L307	117 Prepaid Amount	O	N2 1/9
		Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified		



Not Used	L308	150	<b>Special Charge or Allowance Code</b> Code identifying type of special charge or allowance	O ID 3/3
Not Used	L309	183	<b>Volume</b> Value of volumetric measure	C R 1/8
Not Used	L310	184	<b>Volume Unit Qualifier</b> Code identifying the volume unit	C ID 1/1
Not Used	L311	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	O N0 1/7
Not Used	L312	188	<b>Weight Unit Code</b> Code specifying the weight unit	O ID 1/1
Not Used	L313	171	<b>Tariff Number</b> Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	O AN 1/7
Not Used	L314	74	<b>Declared Value</b> Monetary assigned value expressed in the standard monetary denomination for the currency specified	C N2 2/12
Not Used	L315	122	<b>Rate/Value Qualifier</b> Code qualifying how to extend charges or interpret value	C ID 2/2

**Segment:** **SE** Transaction Set Trailer  
**Position:** 570  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:****Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		
	<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	<b><u>Attributes</u></b>
M	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
			<i>Total segments in this transaction set including the ST and SE segments.</i>	
M	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			<i>This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.</i>	